

| Atty. Docket No. | 06502.0333     | Serial No. | 09/839,300 |
|------------------|----------------|------------|------------|
| Applicant        | Yuefeng LUI    |            |            |
| Filing Date      | April 23, 2001 | Group:     | 2661       |

|                |                    | U.S. PATENT | DOCUMENTS | -     |              |                            |
|----------------|--------------------|-------------|-----------|-------|--------------|----------------------------|
| Examiner       | Document<br>Number | Issue Date  | Name      | Class | Sub<br>Class | Filing Date If Appropriate |
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| FOREIGN PATENT DOCUMENTS |                    |                     |         |       |              |                          |
|--------------------------|--------------------|---------------------|---------|-------|--------------|--------------------------|
|                          | Document<br>Number | Publication<br>Date | Country | Class | Sub<br>Class | Translation<br>Yes or No |
| PN                       | EP 0 702 477 A2    | 20Mar96             | EP      | 1     | 1            |                          |
| PV                       | WO 99/11019        | 04Mar99             | PCT     |       | BEC          | CEIVED                   |
|                          |                    |                     |         |       | FE           | B 2 7 2002               |
|                          |                    |                     |         |       | Technolo     | gy Center 2600           |

| ,  | OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  |
|----|---|
| p  | "Virtual Private Networks on Vendor Independent Networks", <i>IBM Technical Disclosure Bulletin</i> , Vol. 35, No. 4A, September 1992, pp. 326-329. |
| DN | "V-One's SmartGate VPN", V-One Corporation Advertisement, pp. A5-A6.  |
| 9N | Wright, Michele, "Using Policies for Effective Network Management", International Journal of Network Management, Vol. 9, (1999), pp. 118-125.       |
| PN | Pakstas, A, "Towards Electronic Commerce Via Science Park Multi-Extranets", Computer Communications, Vol. 22, (1999), pp. 1351-1363.                |

| Examiner      | PChau  | Date Considered    | 9.10.04/1.24.01               |
|---------------|--|--------------------|-------------------------------|
| *Examiner:    | nance with MPEP 609; draw line e copy of this form with next |                    |                               |
| Form PTO 1449 | Patent an  | d Trademark Office | - U.S. Department of Commerce |

|                     |  |                | LOSURE CITATION ets if necessary) |             |                       |   |
|---------------------|--|----------------|-----------------------------------|-------------|-----------------------|---|
| Atty. Docket No.: ( | 06502.0333   |                | Serial No.: 09/839,3              | 00          |                       |   |
| Applicant: Yuefeng  | , LIU  |                |                                   |             |                       |   |
| Filing Date: April  | 3 20 4 0   |                | Group Art Unit: 2661              | <br> <br>   |                       |   |
|                     | NPR 1 2 7002 55  | U.S. PATENT    | DOCUMENTS                         |             |                       |   |
| Examiner Initial*   | TRABEMATE Document Number  | Date           | Name                              | Class       | Sub<br>Class          | Filing Date<br>If Appropriate                 |
|                     |  |                |                                   |             |                       |   |
|                     |  |                |                                   |             | R                     | ECEIVED                                       |
|                     | FO   | REIGN PATEN    | T DOCUMENTS                       |             | A                     | PR 1 6 2002                                   |
| Examiner Initial*   | Document<br>Number   | Date           | Country                           | Class       | Techi<br>Sub<br>Class | Ology Center 2600<br>Translation<br>Yes or No |
| PN                  | WO 98/18269  | 10/17/97       | PCT                               | <b>-</b>    |                       |   |
| PN                  | WO 98/32301  | 01/09/98       | PCT                               |             |                       |   |
| ,                   | OTHER DOCUMENTS (  | Including Auth | or, Title, Date, Perti            | nent Pages  | s, Etc.)              |   |
| PN                  | Fumio TERAOKA, "VIP: Research and Experience   |                |                                   | Transparer  | ncy," <i>Inter</i>    | networking:                                   |
| PN                  | Fumio TERAOKA et al., "  | Host Migration |                                   | etworks: T  | he VIP Ap             | proach," Computer                             |
| PN                  | Communication Review, pp. 45-65  Fumio TERAOKA et al., "A Network Architecture Providing Host Migration Transparency," Computer Communication Review, No. 4, pp. 209-220, (September 1991) |                |                                   |             |                       |   |
| PN                  | Xinhua ZHAO et al., "Flexible Network Support for Mobility," ACM, pp. 145-155, (1998)  |                |                                   |             |                       |   |
| PN                  | K.C. Chua et al., "On a Lin<br>Computer Communication  |                |                                   |             | on TCP p              | erformance,"                                  |
|                     | <u> </u>   |                |                                   |             | · <u>-</u> -          |   |
|                     |  |                |                                   | <del></del> |                       |   |
|                     |  |                |                                   |             |                       |   |
| Examiner            | Pl   | han            | Date Considered                   | 1.24.       | 05                    |   |

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line though citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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### INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

Atty. Docket No.: 06502.0333 Application No.: 09/839,300

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Applicant: Yuefeng LIU

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Filing Date: April 23, 2001

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|-------------------------|--------------------|---------------|----------------------------|--------------|-------|--------------|----------------------------|
|                         | U                  | J.S. PATENT D | OCUM                       | IENTS        |       |              |                            |
| Examiner initial*       | Document<br>Number | Da            | te                         | Name         | Class | Sub<br>Class | Filing Date If Appropriate |
| $\mathcal{P}_{\lambda}$ | 6,130,892          | 10/10/        | 2000                       | Short et al. |       | 1 )          |                            |
| BA /                    | 6,307,837          | 10/23/        | 10/23/2001 Ichikawa et al. |              | 77    |              |                            |
| PN                      | 6,330,671          | 12/11/        | 2001                       | Aziz         |       |              |                            |
| 7                       | FOR                | REIGN PATENT  | DOC                        | UMENTS       | •     |              | ·                          |
| Examiner Initial*       | Document<br>Number | Date          |                            | Country      | Class | Sub<br>Class | Translation<br>Yes or No   |

| OTHER DOCUMENTS (Includi | na Author Title D    | ata Partinant Pages Ftc \   |
|--------------------------|----------------------|-----------------------------|
| OTHER DOCUMENTS (INCIDE) | ng Author, Hille, Di | ale, refillent rages, Elc.) |

Aziz, Ashar, "Design and Implementation of SKIP", INET 1995 Conference, June 28, 1985, pg. 1-12.

Perkins, C., "IP Mobility Support", ftp://ftp.isp.edu/in-notes/rfc2002.txt October 1996, pg. 1-79.

Perkins, Charles E., "Mobile IP", May 1997, IEEE Communications Magazine, pg 84-86, 91-99.

Examiner

Date Considered:

7.10.04/124.0s

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449

Patent and Trademark Office - U.S. Department of Commerce



| Atty. Docket No | 0. 0000 2.0333 | Appln. No. | 09/839,300                            |  |
|-----------------|----------------|------------|---------------------------------------|--|
| Applicant       | Yuefeng LIU    |            | · · · · · · · · · · · · · · · · · · · |  |
| Filing Date     | April 23, 2001 | Group:     | 2661                                  |  |

| Examiner<br>Initial* |              |          |                |   |    | Sub<br>Class      | Filing Date If Appropriate |
|----------------------|--------------|----------|----------------|---|----|-------------------|----------------------------|
| PN                   | 5,856,974    | 05Jan99  | Gervais et al. | 1 | 1  | ·                 |                            |
| PU,                  | 6,128,298    | 03Oct00  | Wootton et al. |   |    |                   |                            |
| N                    | 6,415,323 B1 | 02Jul02  | McCanne et al. | / | 1  |                   |                            |
|                      |              |          |                |   | R  | CEIVED            |                            |
|                      |              |          | ļ              |   | SI | P 1 7 2002        |                            |
|                      |              | <u> </u> |                |   |    | alagy Center 2890 |                            |

| FOREIGN PATENT DOCUMENTS |                    |                     |         |       |              |                          |
|--------------------------|--------------------|---------------------|---------|-------|--------------|--------------------------|
|                          | Document<br>Number | Publication<br>Date | Country | Class | Sub<br>Class | Translation<br>Yes or No |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) |  |  |  |  |  |  |
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| Examiner    | PChau | Date Considered 9.10.04 /1.25.05  |
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| *Examiner:  |       | dered, whether or not citation is in conformance with MPEP 609; draw line conformance and not considered. Include copy of this form with next cant. |
| Form PTO 14 | 149   | Patent and Trademark Office - U.S. Department of Commerce   |

|  |   | 100                 |                      |              |              | ·                          |
|--|---|---------------------|----------------------|--------------|--------------|----------------------------|
| Atty. Docket No.                       | 06502.0333  | 011 - 2             | Appln. No. 09/8      | 839,300      |              |                            |
| Applicant                              | Yuefeng LIU   | P 2 6 2002          |                      |              |              |                            |
| Filing Date                            | April 23, 2001  | PADE:S. PATENT      | Group: 266           | 51           |              |                            |
|  |   | BADEMP -            |                      |              | . ——. —      |                            |
|  | <del> </del>  | U.S. PATEN          | DOCUMENTS            | <u> </u>     | т . Т        |                            |
| Examiner<br>Initial*                   | Document<br>Number  | Issue Date          | Name                 | Class        | Sub<br>Class | Filing Date If Appropriate |
| pv.                                    | 5,856,974   | 05Jan99             | Gervais et al.       |              | 1            |                            |
| M                                      | 6,128,298   | 03Oct00             | Wootton et al.       |              | /            |                            |
| pn                                     | 6,415,323 B1  | 02Jul02             | McCanne et al.       | V            |              |                            |
| ·                                      |   |                     |                      |              | RECE         | IVED                       |
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|  |   | FOREIGN PATE        | ENT DOCUMENTS        | <del>-</del> | <del></del>  |                            |
|  | Document<br>Number  | Publication<br>Date | Country              | Class        | Sub<br>Class | Translation<br>Yes or No   |
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|  |   |                     |                      |              |              |                            |
|  | OTHER DOCUMEN   | TS (Including Au    | thor, Title, Date, P | ertinent F   | Pages, Etc.  | .)                         |
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| Examiner                               | Phan  |                     | Date Considered      | 9.1          | 0.04/        | 1. V.ox                    |
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| Form PTO 1449                          |   | Patent and          | Trademark Offi       | ice - U.S    | . Departn    | nent of Commerce           |



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### NFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

Atty: Docket No.: 06502.0333

Application No.: 09/839,300

Applicant: Yuefeng LIU

Filing Date: April 23, 2001

Group 2661

|                   | ·                  | .S. PATE | NT DOCUM  | ENTS        |        |       |              | <u></u>                  |
|-------------------|--------------------|----------|-----------|-------------|--------|-------|--------------|--------------------------|
| Examiner Initial* | Document<br>Number |          | Date      | Name        | •      | Class | Sub<br>Class | Filing Date              |
| PV.               | 5,331,637          |          | 7/19/1994 | Francis et  | al.    | 1     |              |                          |
| pr                | 6,219,694          |          | 4/17/2001 | Lazaridis e | et al. |       |              |                          |
|                   | FOR                | REIGN PA | TENT DOCU | JMENTS      |        |       | ·····        |                          |
| Examiner Initial* | Document<br>Number | Dat      | e         | Country     | С      | lass  | Sub<br>Class | Translation<br>Yes or No |
|                   |                    |          |           |             |        |       |              |                          |

Examiner PChan Date Considered: 9.10.84/1.25.05

Washington Computer Science & Engineering, pp. 8-9

Forman, George H., et al., "The Challenges of Mobile Computing", March 9, 1994, University of

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449

Patent and Trademark Office - U.S. Department of Commerce

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| Atty. Docket No. | 06502.0333   | PE                                    | Appln. No. 09/8        | 39,300     |              |                            |
|------------------|--|---------------------------------------|------------------------|------------|--------------|----------------------------|
| Applicant        | Yuefeng LIU  | o anno                                |                        |            |              |                            |
| Filing Date      | April 23, 2001   | E 19 ME S                             | Group: 266             | 1          |              |                            |
|                  |  | A TRANS. PATEN                        | T DOCUMENTS            |            |              |                            |
| Examiner         | Document<br>Number   | Issue Date                            | Name                   | Class      | Sub<br>Class | Filing Date If Appropriate |
| 6 No             | 5,570,366  | 10/29/96                              | Baker et al.           |            |              |                            |
| NR 29 700 4      | 5,696,763  | 12/9/97                               | Gang, Jr.              |            |              |                            |
|                  | 5,835,723  | 11/10/98                              | Andrews et al.         |            |              |                            |
| TO TRAUCHINE     | 5,933,420  | 8/31/99                               | Jaszewski et al.       |            | DEC          | EIVED                      |
|                  | 5,999,531  | 12/7/99                               | Ferolito et al.        | -          |              |                            |
|                  | 6,226,751  | 5/1/01                                | Arrow et al.           |            | APR          | 3 0 2003                   |
|                  | 6,279,029 B1   | 8/21/01                               | Sampat et al.          |            | Technolog    | gy Center 2600             |
|                  | 6,308,282 B  | 10/23/01                              | Huang et al.           |            |              |                            |
|                  | 6,507,908 B1   | 1/14/03                               | Caronni                |            |              |                            |
| PN               | 6,515,974 B1   | 2/4/03                                | Inoue et al.           |            |              |                            |
|                  |  | FOREIGN PATI                          | ENT DOCUMENTS          |            |              |                            |
|                  | Document<br>Number   | Publication<br>Date                   | Country                | Class      | Sub<br>Class | Translation<br>Yes or No   |
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|                  | OTHER DOCUME   | NTS (Including Au                     | thor, Title, Date, Po  | ertinent P | Pages Ftc \  |                            |
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| Examiner         | P Chau   |                                       | Date Considered        | 9.10       | .04/         | 1.25.05                    |
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|------------------|----------------|-----------------------------|----------------|
| Atty. Docket No. | 06502.0333     | Appln. No. 09/839,300       |                |
| Applicant        | Yuefeng LIU    |                             | HOA 1 7 5003 A |
| Filing Date      | April 23, 2001 | Group: 2661                 | PATE RES       |
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|                      |                    | U.S. PATEN | T DOCUMENTS         |       |                      |                 |
|----------------------|--------------------|------------|---------------------|-------|----------------------|-----------------|
| Examiner<br>Initial* | Document<br>Number | Issue Date | Name                | Class | Sub<br>Cla <b>ss</b> | Filing Date     |
| · N                  | 4,825,354          | 4/25/1999  | Agrawal et al.      |       |                      | 101 1 2000      |
| 1                    | 5,220,604          | 6/15/1993  | Gasser et al.       |       |                      | OV 1 7 2003     |
|                      | 5,335,346          | 8/21/1994  | Fabbio              |       | Techr                | ology Center 26 |
|                      | 5,519,833          | 5/21/1996  | Agranat et al.      |       |                      |                 |
|                      | 5,623,601          | 4/22/1997  | Vu                  |       |                      |                 |
|                      | 5,720,035          | 2/17/1998  | Allegre et al.      |       |                      |                 |
|                      | 5,960,177          | 9/28/1999  | Tanno               |       | h.,                  |                 |
|                      | 5,987,506          | 11/16/1999 | Carter et al.       |       |                      |                 |
|                      | 6,061,796          | 5/9/2000   | Chen et al.         |       |                      | -               |
|                      | 6,158,011          | 12/5/2000  | Chen et al.         |       |                      |                 |
|                      | 6,374,298 B2       | 4/16/2002  | Tanno               |       |                      |                 |
|                      | 6,452,925 B1       | 9/17/2002  | Sistanizadeh et al. |       |                      |                 |
|                      | 6,487,600 B1       | 11/26/2002 | Lynch               |       | ,                    |                 |
| n)                   | 6,505,255 B1       | 1/7/2003   | Akatsu et al.       |       |                      |                 |

|                    | FOREIGN PATE        | NT DOCUMENT | S     |              | •                        |
|--------------------|---------------------|-------------|-------|--------------|--------------------------|
| Document<br>Number | Publication<br>Date | Country     | Class | Sub<br>Class | Translation<br>Yes or No |
|                    |                     |             |       |              |                          |

|             | OTHER DOCU | MENTS (Including Author, Title, Date, Pertin  | nent Pages, Etc.)             |
|-------------|------------|---|-------------------------------|
|             |            |   |                               |
| Examiner    | Phan       | Date Considered   | 9.10.04/1.25.05               |
| *Examiner:  |            | nsidered, whether or not citation is in conformation in conformance and not considered. Include oplicant. |                               |
| Form PTO 14 | 149        | Patent and Trademark Office   | - U.S. Department of Commerce |

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| Atty. Docket No. | 06502.0333     | Appln. No. / C     | 9/839,300 |              | *    |  |
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| Filing Date      | April 23, 2001 | Group: 2           | 2661      | EFE. H       | 6/   |  |
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| Examiner | Document     | Issue Date | Name           | Class  | Sub<br>Class | Filing Date        |
|----------|--------------|------------|----------------|--|--------------|--------------------|
| Initial* | Number       | 1,100,1000 | 1              | +  | 1            | RECEIVE!           |
| PV       | 6,557,037 B1 | 4/29/2003  | Provino        | <del>                                     </del> |              |                    |
| gv       | 6,567,405 B1 | 5/20/2003  | Borella et al. |  |              | NOV 1 7 2003       |
| PN,      | 6,615,349 B1 | 9/2/2003   | Hair           |  |              | echnology Center 2 |
| PN       | 5,732,137    | 3/24/1998  | Aziz           | 1  | '            |                    |
|          |              |            |                |  |              | :                  |
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| FOREIGN PATENT DOCUMENTS |                    |                     |         |         |              |                          |
|--------------------------|--------------------|---------------------|---------|---------|--------------|--------------------------|
|                          | Document<br>Number | Publication<br>Date | Country | Class   | Sub<br>Class | Translation<br>Yes or No |
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|                          |                    |                     |         |         |              |                          |
|                          |                    |                     |         |         |              |                          |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
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| Examiner     | pChau  | Date Considered     | 9.10.0y        | 11.25-08         |
|--------------|--|---------------------|----------------|------------------|
| *Examiner:   | Initial if reference considered, whether o<br>through citation if not in conformance an<br>communication to applicant. |                     |                |                  |
| Form PTO 144 | 9 Patent a   | nd Trademark Office | - U.S. Departr | nent of Commerce |

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INPORTED DISCLOSURE CITATION

|                  |                | 70         |            |            |
|------------------|----------------|------------|------------|------------|
| Atty. Docket No. | 06502.0333     | M 0 9 2004 | Appln. No. | 09/839,300 |
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|                      | U.S. PATENT DOCUMENTS |            |                |       |              |             |  |  |
|----------------------|-----------------------|------------|----------------|-------|--------------|-------------|--|--|
| Examiner<br>Initial* | Document<br>Number    | Issue Date | Name           | Class | Sub<br>Class | Filing Date |  |  |
| PN                   | 6,134,591 A           | 10/2000    | Nickles        | 1     | 1            |             |  |  |
| PV.                  | 6,453,419 B1          | 09/2002    | Flint et al.   |       |              |             |  |  |
| PN                   | 6,393,485 B1          | 05/2002    | Chao et al.    |       |              |             |  |  |
| PU                   | 6,463,470 B1          | 10/2002    | Mohaban et al. |       | BEC          |             |  |  |
|                      |                       |            |                |       | ILO          |             |  |  |
|                      |                       |            |                |       | JAN 1        | 3 2004      |  |  |
|                      |                       |            |                | To    | chnolog      | Center 2600 |  |  |
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|                    | FOREIGN PATER       | NT DOCUMENT | s     |              |                          |
|--------------------|---------------------|-------------|-------|--------------|--------------------------|
| Document<br>Number | Publication<br>Date | Country     | Class | Sub<br>Class | Translation<br>Yes or No |
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|            | OTHER DOCUMENTS | tinent Pages, Etc.)  |                  |
|------------|-----------------|--|------------------|
| Examiner   | Phan            | Date Considered  | 9.10.04 11.25.08 |
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|                      | U.S. PATENT DOCUMENTS |            |        |       |              |                               |  |  |
|----------------------|-----------------------|------------|--------|-------|--------------|-------------------------------|--|--|
| Examiner<br>Initial* | Document<br>Number    | Issue Date | Name   | Class | Sub<br>Class | Filing Date<br>If Appropriate |  |  |
| Ph/                  | 6,377,997 B1          | 4/23/02    | Hayden |       |              |                               |  |  |
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|                      |                       |            |        |       |              | EIVED                         |  |  |
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| FOREIGN PATENT DOCUMENTS |                    |                     |         |       |              |                          |  |
|--------------------------|--------------------|---------------------|---------|-------|--------------|--------------------------|--|
|                          | Document<br>Number | Publication<br>Date | Country | Class | Sub<br>Class | Translation<br>Yes or No |  |
|                          |                    |                     |         |       |              |                          |  |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) |
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| Examiner     | DChan   | Date Considered           | 9-10-04/          | 1.25.08       |
|--------------|---|---------------------------|-------------------|---------------|
| *Examiner:   | Initial if reference considered, whe through citation if not in conformal communication to applicant. |                           |                   |               |
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|                 | RADEWAR              | INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) |  |
|-----------------|----------------------|---|--|
| Atty. Docket No | o.: 06502.0333-00000 | Application No.: 09/839,300                                       |  |
| Applicant:      | Yuefeng LIU          |   |  |
| Filing Date:    | April 23, 2001       | Group Art Unit: 2661  |  |
|                 |                      | _   |  |

| Examiner's<br>Initials* | Document<br>Number | Date          | Name              | Clas  | S Si<br>Cla |      | Filing Date If Appropriat |
|-------------------------|--------------------|---------------|-------------------|-------|-------------|------|---------------------------|
| PW                      | 5,144,665          | 1 Sept 1992   | Takaragi et al.   |       |             |      |                           |
|                         | 5,241,599          | 31 Aug 1993   | Bellovin et al.   |       |             |      |                           |
|                         | 5,748,736          | 5 May 1998    | Mittra            |       | HEC         | ·C1  | /ED                       |
|                         | 6,055,575          | 25 Apr 2000   | Paulsen et al.    |       | - 1 · 1     |      |                           |
|                         | 6,079,020          | 20 June 2000  | Liu               |       | APR         | 0 1  | 2004                      |
|                         | 6,173,399 B1       | 9 Jan 2001    | Gilbrech          | П     | echnolo     | ov C | enter 2600                |
|                         | 6,304,973 B1       | 16 Oct 2001   | Williams          |       |             |      |                           |
|                         | 6,484,257 B1       | 19 Nov 2002   | Ellis             |       |             |      |                           |
|                         | 6,600,733 B2       | 29 July 2003  | Deng              |       |             |      |                           |
|                         | 6,606,708 B1       | 12 Aug 2003   | Devine et al.     |       |             |      |                           |
| PN                      | 6,631,416 B2       | 7 Oct 2003    | Bendinelli et al. |       |             |      |                           |
| :_L                     |                    | FOREIGN PATEN | T DOCUMENTS       |       |             |      |                           |
| Examiner's<br>Initials* | Document<br>Number | Date          | Country           | Class | Sub         |      | Translation<br>Yes or No  |
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| Examiner:   | PChan | Date Considered:   | 1-29      | 4.05               |
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|-------------------------|--------------------|-------------|--------------|---------------------------|------------|--------------|----------------------------|
| Atty. Docket No.        | : 06502.0333-00000 |             |              | Application No.: 09/83    |            |              | VED                        |
|                         | V61111             |             |              | <u> </u>                  |            | ECE          | VEU -                      |
| Applicant:              | Yuefeng LIU        |             |              |                           |            | 8 0 NUL      | 2004                       |
| Filing Date:            | April 23, 2001     |             |              | Group Art Unit: 2661      |            |              |                            |
|                         |                    |             |              |                           | Tech       | nnology C    | enter 2600                 |
|                         |                    | U.S         | S. PATENT    | DOCUMENTS                 |            |              |                            |
| Examiner's Initials*    | Document<br>Number |             | Date         | Name                      | Class      | Sub<br>Class | Filing Date If Appropriate |
| pN                      | 5,719,942          | 2/1         | 7/1998       | Aldred et al.             | _          |              |                            |
| · M                     | 6,212,633 B1       | 4/3/        | /2001        | Levy et al.               | )          | <del></del>  |                            |
| M                       | 6,532,543 B1       | 3/1         | 1/2003       | Smith et al.              | _          |              |                            |
|                         |                    | FOR         | EIGN PATEN   | NT DOCUMENTS              |            |              |                            |
| Examiner's<br>Initials* | Docume<br>Numbe    |             | Date         | Country                   | Class      | Sub<br>Class | Translation<br>Yes or No   |
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|                         | OTHER DOCUM        | ENTS (Inc   | luding Auth  | nor, Title, Date, Pertine | nt Pages   | , Etc.)      |                            |
|                         | Office Action date | d April 23, | 2004 for U.S | S. Application No. 09/45  | 8,021 file | d Decembe    | r 10, 1999.                |
|                         |                    |             |              | 1                         |            |              | 1                          |
| Examiner:               | Plan               |             | •            | Date Considered:          | 9.10       | .04          | 1.25.05                    |
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|                      | INFO  | ORMATION DIS        | SCLOSURE CI          | TATION       |              |                                       |
|----------------------|---|---------------------|----------------------|--------------|--------------|---------------------------------------|
| Atty. Docket No.     | 06502.0333  | S. S. S.            | Appln. No. 09        | /839,300     |              |                                       |
| Applicant            | Yuefeng LIU A   | UG 1.4 2003 3       |                      | -            |              |                                       |
| Filing Date          | April 23, 2001  | MANEUR STATEN       | Group: 26            | 61           |              |                                       |
|                      |   | PANEUM P            |                      |              |              |                                       |
|                      |   | 1                   | T DOCUMENTS          |              |              |                                       |
| Examiner<br>Initial* | Document<br>Number  | Issue Date          | Name                 | Class        | Sub<br>Class | Filing Date If Appropriate            |
| PU                   | 6,377,997 B1  | 4/23/02             | Hayden               |              |              |                                       |
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### INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

|                                       |   |                                       |                        |                          | RE                     | CEIVED                              |
|---------------------------------------|---|---------------------------------------|------------------------|--------------------------|------------------------|-------------------------------------|
| Atty. Docket No.: 00                  | 6502.0333-00000                                     |                                       | Application No.: 09    | /839,300                 | Α                      | UG 2 4 2004                         |
| Applicant: Yuefen                     | g LIU   |                                       |                        |                          | Techn                  | ology Center 2600                   |
| Filing Date: April 2                  | 3, 2001   |                                       | Group: <b>2661</b>     |                          |                        |                                     |
|                                       |   | U.S. PATENT I                         | DOCUMENTS              |                          |                        |                                     |
| Examiner Initial*                     | Document<br>Number                                  | Date                                  | Name                   | Class                    | Sub<br>Class           | Filing Date                         |
| PN                                    | 4,825,354   | 4/25/1989                             | Agrawal et al.         |                          |                        |                                     |
| PN                                    | 6,453,419 B1  | 9/17/2002                             | Flint et al.           |                          |                        |                                     |
| , ,                                   |   |                                       |                        |                          |                        |                                     |
|                                       |   |                                       |                        |                          |                        |                                     |
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| Examiner Initial*                     | Document<br>Number                                  | Date                                  | Country                | Class                    | Sub<br>Class           | Translation<br>Yes or No            |
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|                                       | OTHER DOCUMENTS (                                   | Including Auth                        | or, Title, Date, Perti | nent Pages               | s, Etc.)               |                                     |
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| Examiner                              | PChau   |                                       | Date Considered:       | 1.                       | 24.0                   | )                                   |
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|------------------------|----------------|-----------|--|--|--|--|--|
| Application Number     | 09/839,300     |           |  |  |  |  |  |
| Filing Date            | April 23, 2001 | 7         |  |  |  |  |  |
| First Named Inventor   | Yuefang LIU    | 2 7 200   |  |  |  |  |  |
| Art Unit               | 2661           | 2004      |  |  |  |  |  |
| Examiner Name          | not yet known  | THE CHI   |  |  |  |  |  |
| Attorney Docket Number | 06502.0333     | BADEMARKO |  |  |  |  |  |

|          |      | U.S. PATENTS                             | AND PUBLISHE                         | D U.S. PATENT APPLICAT      | IONS  |
|----------|------|--|--------------------------------------|-----------------------------|---|
| Examiner | Cite | Document Number                          | lssue or Publication Date MM-DD-YYYY | Name of Patentee or         | Pages, Columns, Lines, Where                    |
| Initials | No.1 | Number-Kind Code <sup>2</sup> (if known) |                                      | Applicant of Cited Document | Relevant Passages or Relevant<br>Figures Appear |
| DN       |      | US-5,636,371                             | 06/03/1997                           | Yu                          |   |
| ps       |      | US-6,370,552                             | 04/09/2002                           | Bloomfield                  |   |
|          |      | US-                                      |                                      | R                           | FCEIVED   |
|          |      | US-                                      |                                      |                             |   |
|          |      | US-                                      |                                      |                             | NOV 0 1 2004                                    |
|          |      | US-                                      |                                      | Tech                        | nology Center 2600                              |
|          |      |  |                                      |                             | 0, 5,110, 2000                                  |
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|          |      |  |                                      |                             |   |

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|                      | FOREIGN PATENT DOCUMENTS |   |                                |  |  |                          |  |  |
|----------------------|--------------------------|---|--------------------------------|--|--|--------------------------|--|--|
| Examiner<br>Initials | Cite<br>No. <sup>1</sup> | Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> ( <i>if known</i> ) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures<br>Appear | Translation <sup>6</sup> |  |  |
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| NON PATENT LITERATURE DOCUMENTS |   |  |  |  |  |  |
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